

DC Application

* : Under development

- Utilize < 0.5um low consumption MTP/OTP process
- Very competitive price
- Operating temperature: -20°C ~ 70°C

Fields of Application:

- Fit for battery based or DC powered products, eg toys etc
- Not suppose to use in high EFT requirement applications

MTP – RapiDragon (迅龙)

Series	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (%VDD)	PWM	#Special Functions	Package	Available
PFS154	1	--	14	2KW	128	4	8bit x 2 11bit x 3	CMP x 1	SOT23-6, SOP8, MSOP10 SOP14, SOP16	Now
New PFS172	1	8bit x 12ch	14	2KW	128	--	8bit x 2	CMP x 1	SOT23-6, SOP8/14/16, MSOP10, QFN3x3-16L	2019 Q2
New PFS173	1	8bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	CMP x 1	SOP8/14/16, MSOP10, QFN3x3-16L, HTSOP20	Now

OTP – SOVA (Series of Valuable and Affordable)

Series	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (%VDD)	PWM	#Special Functions	Package	Available
New PMS150C/G	1	--	6	1KW	64	--	8bit x 1	CMP x 1	SOT23-6, SOP8	Now/2019 Q2
PMS152	1	--	14	1.25KW	80	--	8bit x 1 11bit x 3	CMP x 1	SOT23-6, SOP8/14/16 MSOP10, QFN3x3-16L	Now
PMS154B/C	1	--	14	2KW	128	4	8bit x 2 11bit x 3	CMP x 1	SOT23-6, SOP8/14/16 MSOP10, QFN3x3-16L	Now
New PMS171B	1	8bit x 12ch	14	1.5KW	96	--	8bit x 2	CMP x 1	SOT23-6, SOP8/14/16 MSOP10, QFN3x3-16L	Now
PMS132/B	1	12bit x 12ch	14	2KW	128	--	8bit x 2 11bit x 3	8x8 Multiplier CMP x 1	SOT23-6, SOP8/14/16 MSOP10, QFN3x3-16L	Now
PMS133	1	12bit x 14ch	18	3KW	256	4	8bit x 2 11bit x 3	8x8 Multiplier CMP x 1	SOP8/14/16, MSOP10 HTSOP20, QFN3x3-16L	Now
PMS134	1	12bit x 14ch	22	4KW	256	4	8bit x 2 11bit x 3	8x8 Multiplier CMP x 1	SOP8/14/16, HTSOP20, SOP/SSOP24, QFN4x4-24L	Now

OTP – Commercial Grade

Series	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (%VDD)	PWM	#Special Functions	Package	Available
PMS150	1	--	6	1KW	60	--	--	--	SOT23-6, SOP8	Now
PMS153	1	--	12	1KW	64	--	--	--	SOP14	Now
PMS156	1	--	16	1KW	64	4	--	--	SOP14/16, SOP20	Now
PMS271	2	8bit x 8ch	16	1KW	64	4	--	--	SOP8/14/16, SOP20	Now
PMS130/131	1	12bit x 12ch	14	1.5KW	88	--	8bit x 2	8x8 Multiplier	SOT23-6, SOP8/14/16, MSOP10	Now
PMS232	2	12bit x 10ch	18	2KW	160	4	8bit x 1	--	SOP14/16, SOP20, SSOP24	Now
PMS234	2	12bit x 11ch	26	4KW	208	4	8bit x 1	CMP x 1	SOP20, SOP24, SOP28	Now

AC Application

* : Under development

New

MTP – LeapDragon (跃龙)

【 Excellent EFT Capability 】

- Utilize <0.18um low consumption MTP and EEPROM process
- ESD >8KV. Very stable, excellent anti-interference capability
- Reach EFT +/- 4KV with trival designed AC RC step-down ckt
- Wide operating temperature: -40°C ~ 85°C

Fields of Application :

- Born for the products required excellent EFT capability
- Also suitable for battery based products required strong noise immunity, eg. automobile, intelligent household etc

Series	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	EEPROM (bit)	PWM	#Special Functions	Package	EFT Capability
New PFC151	1	--	8	1.5KW	88	--	8bit x 2	CMP x 1	SOP8/10, MSOP10, DIP8	Excellent
New PFC154	1	--	14	2KW	128	--	8bit x 2 11bit x 3	CMP x 1	SOT23-6, SOP8/14/16, DIP8/14/16	Excellent
* PFC232	2	12bit x 12ch	14	2KW	128	--	8bit x 2 11bit x 3	OPA x 1 CMP x 1	SOP8/14/16, MSOP10, DIP8/14/16	Excellent
* PGC433	4	12bit x 14ch	18	3KW	256	2K	8bit x 2 11bit x 6	OPA x 1 CMP x 1	SOP8/14/16/20, HTSOP20, DIP8/14/16/20	Excellent
* PGC434	4	12bit x 14ch	26	4KW	256	4K	8bit x 2 11bit x 6	OPA x 1 CMP x 1	SOP8/14/16/20/24, HTSOP20, DIP8/14/16/20, SKDIP24/28	Excellent

OTP – Industrial Grade

【 High EFT capability 】

- Utilize 0.5um low consumption OTP process
- ESD >4KV. Very stable, strong noise immunity
- Reach EFT ±4KV with careful designed AC RC step-down ckt
- Wide operating temperature: -40°C ~ 85°C

Fields of Application :

- Fit for the products required high EFT capability
- Also suitable for battery based products required strong noise immunity, eg. measurement, intelligent toys etc

Series	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (½VDD)	PWM	#Special Functions	Package	EFT Capability
PMC150	1	--	6	1KW	60	--	--	--	SOP8, DIP8	High
PMC153	1	--	12	1KW	64	--	--	--	SOP14, DIP14	High
PMC156	1	--	16	1KW	64	4	--	--	SOP14/16/18/20 DIP14/16/18/20	high
PMC251	2	--	12	1KW	60	--	--	--	SOP8, SOP14 DIP8, DIP14	Strong
PMC271	2	8bit x 8ch	16	1KW	64	4	--	--	SOP8/14/16, SOP20 DIP8/14/16, DIP20	Strong
PMC131	1	12bit x 12ch	14	1.5KW	88	--	8bit x 2	8x8 Multiplier	SOP8/14/16, MSOP10 DIP8/14/16	High
PMC232	2	12bit x 10ch	18	2KW	160	4	8bit x 1	--	SOP14/16, SOP20, SSOP24 DIP14, DIP16, DIP20	Strong
PMC234	2	12bit x 11ch	26	4KW	208	4	8bit x 1	CMP x 1	SOP20/24/28, SSOP24 DIP20, SKDIP24, SKDIP28	Strong

Note:
 CMP = Comparator
 OPA = Operational Amplifier
 RFC = Resistance to Frequency Convertor
 8x8 Multiplier = 8bit x 8bit Unsigned Multiplier